

Czechoslovakia/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No. 1, 1967, 1247

Abstract: of NaNO_2 in the presence of KBr, theophylline, theobromine, caffeine, barbitol, phenobarbital, sodium salicylate, sodium benzoate, papaverine hydrochloride, and belladonna extract. For Communication V see Referat Zhur - Khimiya, 1966, 1965.

Card 2/2

MARYAGIN, G.

Russian shipbuilders. Vympe 11 no. 23:12 D '48.
(MIRA 12:1)

(Shipbuilding)

1. MARYAGIN, G.
2. SSSR (600)
4. Miners
7. Miners dynasties.
Mast. ugl. 1 No. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

MARYAGIN, G.

Grigoriĭ Gamber'ian's brigade. Mast.ugl. 2 no.12:19-20 D '53.

(MIRA 6:11)

(Coal mines and mining)

MARYAGIN, Georgiy Aleksandrovich; POLYAKOV, N.V., red.; BUKOVSKAYA, N.A.,
tekhn. red.

[Horizons, boundaries, explorers; narratives on travels, meetings,
experiences] Gorizonty, rubezhi, iskateli; povestvovaniia o pute-
shestviiakh, vstrechakh, sversheniakh. Moskva, Voen. izd-vo M-va
obor. SSSR, 1960. 172 p. (MIRA 14:7)
(Geography)

MARYAGIN, Georgiy Aleksandrovich; SKONECHNAYA, A.D., red.; ROZEN,
B.A., tekhn.red.

[Cities that were not on the map] Goroda, kotorykh ne bylo
na karte. Moskva, Izd-vo "Sovetskaya Rossiya," 1960. 370 p.
(MIRA 13:4)

(Cities and towns)

24390-65 EWT(1) LTP(c) AT
ACC NR: AP6010435

SOURCE CODE: UR/0386/66/003/005/0205/0208

AUTHOR: Mar'yakhin, A. A.; Naberezhnykh, V. Z.

ORG: Physicotechnical Institute of Low Temperatures, AN UkrSSR (Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR) 2/

TITLE: Size effect on "ineffective" electrons of open sections

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 5, 1966, 205-208

TOPIC TAGS: cadmium, surface property, electric impedance, electron spectrum, electron interaction, magnetoresistance, harmonic oscillation

ABSTRACT: The authors present the results of a study of a radio-frequency size effect which results in harmonic oscillations of surface impedance of cadmium plates such that the electrons do not interact effectively with field-spectrum harmonics whose wavelength is an integer fraction of the length of the extremal displacement of the electrons in the interior of the metal. The experiment was made with a cadmium sample 0.4 mm long, with a plane normal to the [1120] direction. The sample was grown in a dismountable glass mold by a method described by Yu. V. Sharvin and V. F. Gantmakher elsewhere (PTE No. 6, 165, 1963). Harmonic oscillations of the derivative of the surface resistance with respect to the magnetic field were observed in a magnetic field lying in the plane of the sample and directed along the [1010] axis. Arguments are advanced to show that this effect is due to electrons of the

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ACC NR: AF6010435

periodic open sections of the Fermi surface, and that these electrons are "ineffective." When the field is rotated 2.5° from the $[10\bar{1}0]$ axis in the plane of the sample, sharp lines appear in the plot of dR/dH , in addition to the oscillations, and the number of the oscillations decreases sharply. Starting with 4° , the oscillations are replaced by the sharp satellite lines connected with the presence of strongly elongated closed orbits passing through several zones. The shape of the particular section of the Fermi surface was established by the authors by studying the angle intervals in which the individual lines of this type can exist and by determining the corresponding diameters in momentum space. It is concluded that the observed oscillations constitute a size effect on the electrons of the open surface and that the harmonic character of these oscillations offers evidence that these electrons are "ineffective." The authors thank V. I. Konovalov for help with growing the sample and E. I. Ol'khovskiy for help with the experiment. The authors are also grateful to B. N. Aleksandrov for supplying the pure cadmium. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 15Jan66/ ORIG REF: 005/ OTH REF: 001

Card 2/2 VLR

MAR'YAKHIN, G.

15G75

USSR/Income Tax 4902.0803

Sep 1947

"Income Tax in First Phase of Development of Soviet State," G. Mar'yakhin, 7 pp

"Sov Financy" Vol VIII, No 9

Historical analysis of USSR income tax laws from beginning of Soviet regime to present. Shows how tax has been used by state "as a weapon of economic influence over capitalistic elements and at same time as an important source of income in state and local budgets." Tables and references to statutes and regulations.

LC

19075

MAR'YAKHIN, G.L.

[U.S.S.R. tax system] *Nalogovaya sistema SSSR.* Moskva, Gosfinizdat, 1952.
245 p. (MLBA 6:11)
(Taxation)

MAR'YAKHIN, Grigoriy Lazarevich; TOCHIL'NIKOV, G., otvetstvennyy red.;
ROSHCHINA, L., red. isd-va; LEBEDEV, A., tekhn. red.

[Taxes in the U.S.S.R.] Nalogi v SSSR. Moskva, Gosfinizdat, 1958.
65 p. (MIRA 11:7)

(Taxation)

MAR'YAKHIN, Grigoriy Lazarevich; FILIPPOVA, B., red.izd-va; LEBEDOV, A.,
tekhn.red.

[Payments of cooperative organizations and collective farms into
the state budget] Plateshi kooperativnykh organizatsii i kolxosov
v gosudarstvennyi biudzhnet. Moskva, Gosfinizdat, 1960. 122 p.

(MIRA 14:3)

(Cooperative societies--Taxation)

(Agriculture--Taxation)

MAR'YAKHIN, G.

Redistribution of private funds through the financial system.
Fin. SSSR 21 no.2:33-41 P '60. (MIRA 13:1)
(Income)

MAR'YAKHIN, G.

Distribution of profit. Fin. SSSR 23 no. 43-47 S 19.

(Profit)

MARYAKHIN, S. J. (1921-1980) (1921-1980)

Arrived in the U.S. in 1941. He was a member of the
4. He was a member of the U.S. Army.

1. He was a member of the U.S. Army.

MARIYAKHINA, I. Ya.

"The Biological Characteristics of Flooming and Pollination
in Interspecies Hybrids." Cand Biol Sci, Moscow Order of Lenin
State U imeni M. V. Lomonosov, 29 Oct 54. (VM, 19 Oct Oct 54)

Survey of Scientific and Technical Dissertations Defend-d at USSR
Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

USSR/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1956, 20249.

Author : I. Ya. Mar'yakhina.

Inst : VSGI. / The All-Union Selection and Genetic Institute in
Odessa, and The Zonal Institute of Grain Culture in
Non-Black Soil Regions/.

Title : Biological Features of the Florescence of Castrated Wheat
Florets. (Osobennosti biologii tsveten'ya kastrirovannykh
tsvetkov pshenitsy)

Orig Pub: Dokl. AN SSSR, 1956, 111, No 2, 480-481.

Abstract: At the All-Union Selection and Genetic Institute in Odessa
and the Department of Darwinism at Moscow University from
1952 to 1954, and from 1955 to 1956 at the Zonal Insti-
tute of Grain Raising in Non-Black Soil Regions observa-
tions were made of the florescence of castrated and non-

Card : 1/3

USSR/Cultivated Plants. Grains.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20249.

castrated florets of fertile forms of the interspecies hybrids *Triticum vulgare* Host x *T. turgidum* L. and *T. vulgare* (Moskovka) x *T. durum* Desf (Gordeiforme 10). The non-castrated wheat florets opened with the aid of swelling lodicules in 15-20 minutes, after which the lodicules shrivel and the floral glumes interlock; meanwhile its pollen is emptied out on the stigma and brings about fertilization. In distinction to the non-castrated florets, the lodicules of those which are castrated remain swollen for two whole days. On the third day after florescence, if fertilization has taken place, the ovary begins to grow; its widest portion is lifted up and stops pressing against the glumes, and the flower closes. If fertilization does not take place, the ovary increases considerably in

Card : 2/3

Mar'yakhina I.Ya.
USSR/General Biology - Genetics

B-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, No 9560

Author : Mar'yakhina, I.Ya.

Inst : Not Given

Title : Flowering Characteristics of Intraspecies Wheat Hybrids.

Orig Pub : Seleksiya i semenovodstvo, 1957, No 3, 76-80

Abstract : No abstract

Card : 1/1

25-9-9/40

AUTHOR: Kuperman, F.M., Doctor of Biological Sciences, Mar'yakhina, N.Ya.,
Candidate of Biological Sciences, Hybakova, V.I., Candidate of
Biological Sciences

TITLE: Regularities in the Development of a Plant (Zakonomernosti
razvitiya rasteniya)

PERIODICAL: Nauka i Zhizn', 1957, # 9, p 17-20 (USSR)

ABSTRACT: The article deals with the different stages in the vegetation
period of plants. Studies to this effect were especially in-
tensified in the first three decades of the XX-th century.
Soviet scientists had an important share in the development of
theories in the field of ontogeny of higher plants. Important
are the works of the following scientists: A.N. Reketov, K.A.
Timiryazev, V.A. Palladin, N.P. Krenke, V.N. Lyubimenko, N.A.
Maksimov and N.T. Kholodnyy. Of special importance are the
works of I.V. Michurin and the scientific research conducted
by T.D. Lysenko which led to the theory on the development of
plants by certain stages. It was proved that a series of basic
conditions were necessary to warrant the normal growth of a
plant in each stage, such as favorable temperature, the right

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Regularities in the Development of a Plant

25-9-9/40

proportion between the length of days and nights, the spectral composition of light, a certain minimum of moisture, the existence of certain microelements, proper fertilization, etc. The discovery of recurring regularities in the growth of widely different plants helps to find new ways for the control over their growth and development.

There are 17 figures and 4 Russian references.

AVAILABLE: Library of Congress

Card 2/2

ORIGIN : USSR
 CATEGORY : Cultivated Plants. Forage Grasses and Root Crops. M
 REL. DATE : 1957, No. 10, 1957, No. 1010
 AUTHOR : Varenitsa, Ya. T., Kar'yakina, I. Ya., Rybakova, M. I.
 TITLE : Biological Control Over the Development and Growth of
 New Cultures.
 REL. DATE : Zhurnal prikladn. opyt. i s. zh., 1957, No. 9, 34-35
 ABSTRACT : A survey is given of the local and selected varieties of
 foxtail millet (*Seteria italica*): Yagor'yevskaya, Cher-
 nigrivskaya, Moskovskaya, etc. The agricultural technique
 is indicated. Also given is a brief characteristic of the
 organogenetic stages in foxtail millet using the variety
 Moskovskaya 7 as an example for exercising a systematic
 control over the formation of the vegetative and gener-
 ative organs of the plants. — N. G. Buyakovich

1/1

PISAROV, V.Ye., prof.; KUPERMAN, F.M., prof.; MAR'YAKHINA, I.Ya., kand. biol.
nauk.

Biological investigation of the growth and development of buckwheat.
Nauka i pered. op. v sel'khoz. 7 no.12:44-46 D '57. (MIRA 11:1)
(Buckwheat)

MAR'YASHINA, I.Ya. kand.biologicheskikh nauk

Appearance of pigment in the grain of the "Moskovka"
white wheat under the effect of environmental conditions.
Agrobiologiya no.6.909-911 M-D '61. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut zemledeliya tsentral'nykh
rayonov nechernozemnoy polosy, Moskovskaya oblast'.
(Wheat Varieties)

MAR'YAKHINA, Izabella Yakovlevna; DAGAYEVA, T.S., red.; ZYKINA, T.N.,
tekhn. red.

[Book on corn and forage beans for students] Shkol'nikam o
kukuruze i kormovykh bobekh; posobie dlia uchashchikhsia
sel'skoi shkoly. Moskva, Uchpedgiz, 1963. 147 p.
(MIRA 16:7)

(Corn (Maize)) (Beans)

PAVLOV, N.V., inzh.; MAR'YANCHIK, I.I., inzh.; Pilyagin, V.F., inzh.

Boiler units with liquid slag removal. Energomashinostroenie 11 no.7;
1-5 J1 '65. (MIRA 18:7)

PAVLOV, A.M., inzh.; MIRYANICH, L.I., inzh.; LEYTEL, A.A., inzh.

... spent of boilers in the Barnaul boiler factory.
Teploenergetika 12 no.2:6-12 Ag 1965. (MIRA 12:6)

i. Barnaul'skiy koteln'nyy zavod.

MAR'YAMOV, A.

22488 Mar'yamov, A. Bol'shchaya Sborka Istankostroitei Zavots "Krasnyy
Proletariy" Ocherkogonek, 1949, No 23 C 12-13

So: Letopis' No 30, 1949

ACC NR: AK6033/01

SOURCE CODE: UR/0293/66/004/005/07.1/0705

AUTHOR: Mari'yanov, A. G.; Yastrebov, V. D.

CRS: none

TITLE: System of cylindric coordinates for the description of motion of artificial satellites

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 721-723

TOPIC TAGS: artificial satellite orbit, satellite motion, earth satellite orbit, coordinate system, numeric integration, computer calculation

ABSTRACT: Determination of orbits of artificial satellites by using electronic computers is based on numerical integration of systems of differential equations, and the speed of calculation depends mainly on the size of the step of the numerical integration and the form of the right side of the differential equations. Usually, a system of rectangular coordinates is applied, which requires relatively small integration steps for obtaining the desired accuracy, and this reduces the speed of calculation. The author describes a calculation method based on the use of cylindric coordinates. By using the Lagrange equations of the second kind and by taking into account perturbations due to the second harmonic of the earth's gravitational potential, and the atmospheric resistance, the author derives the differential

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UDC: 629.199

ACC NR: AF6033401

equations of the satellite in cylindrical coordinates. For orbits of small eccentricities, this method gives an accuracy which is by several orders of magnitude higher than that obtained in rectangular coordinates. Orig. art. has: 1 figure, 2 tables and 3 equations.

SUB CODE: 22/ SUBM DATE: 05Apr65/ ORIG REF: 002

Card 2/2

MAR'YAMOV, Aleksandr Moiseyevich

[Let's go east] Idem na vostok. Moskva, Sovetskii pisatel',
1960. 298 p. (MIRA 13:12)
(Siberia, West--Description and travel)

MAR'YANOV, B.M.; SEREBRENNIKOV, V.V.

Determination of neodymium by radiometric titration with
halo derivatives of 8-hydroxyquinoline. Zhur. anal. khim. 18
no.1:58-60 Ja '63. (MIRA 16:4)

1. V.V. Kuybyshev Tomsk State University.
(Neodymium—Analysis) (Radiometry)
(Quinolinol)

MIRNITSKY, N.B.

Ekspperimental'noe issledovanie i raschet aviatsionnykh radiatorov, Moskva,
1938. 112 p., illus., tables, diagrs. (TS.GI. Trudy, no. 367)

Bibliography: p.110.

Title tr.: Experimental investigation and design of radiators for aircraft.

AG11.M65 no.367

SC: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

~~SECRET~~

Analiticheskiye osvedeleniya o teorii i gidravlicheskom raschetakh
maslianykh radiatorov. Moskva, 1955. [Sov. Trudy, 1955].

Includes bibliography.

Subject: Theory of heat transfer in hydraulic resistance of oil.

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library
of Congress, 1955

MARUYA-MOV, N.O.

Raschet trubchato-plastinchatykh i trubcha o-reoristykh radiatorov. Moskva,
L. I. I., 1946

Title tr.: Design of tubular finned and tubular ribbed radiator.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

1/12/56, 1/12/56
USSR/Chemical Technology. Chemical Products and their Application
Glass. Ceramics. Construction Materials.

1-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 2778.

Author : N.B. Mar'yamov, G.A. Leytner.

Inst :

Title : ~~Computation of~~ Heat Liberation of Concrete at Its Treatment
with Humid Heat.

Orig Pub: Beton i zhelezobeton, 1956, No 10, 367. Corrections: 1956,
No 12, 452.

Abstract: The formulae for the computation of the magnitude of heat libera-
tion by cement depending on the temperature of the medium, the
duration of heating of concrete and on the ratio water/cement
are given. It is proposed to use the obtained results for the
thermal computations of autoclaves and for the determination of
optimum regimes of humid-hot treatment of concrete.

Card : 1/1

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MAR'YAMOV, N.B.

The heating of concrete articles in periodic autoclaves.

Sbor. trud. NIIZHelezhestona no.2:37-67 '99. (MIRA 15:1)

(Autoclaves)

(Precast concrete)

MAR'YAMOV, N.B.

Investigating the kinetics of drying of gypsum-cement slabs having
internal heat sources. Inzh.-fiz. zhur. 4 no. 5:100-103 My '61.
(MIRA 14:5)

1. Institut zhelezobetonnykh izdeliy, stroitel'nykh i nerudnykh
materialov, Moskva.

(Cement—Drying) (Thermodynamics)

MAR'YAMOV, N.B., kand.med.nauk; BIRYUKOVA, V.I., inzh.

Heat engineering properties of the vertical steam-curing chamber.
Bet.1 zhel.-bet. 8 no.4:163-165 Ap '62. (MIRA 15:5)
(Concrete-Curing) (Autoclaves)

SOV/124-58-7-7967 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 96 (USSR)

AUTHOR: Mar'yamova, F.A.

TITLE: An Investigation of the Transverse Elastic Impact of a Body
Against a Beam (Issledovaniye poperechnogo uprugogo udara
tela o balku)

ABSTRACT: Bibliographic entry on the author's dissertation for the de-
gree of Candidate of Technical Sciences, presented to the
Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Engin-
eering), Moscow, 1957

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Institute of Structural
Engineering), Moscow

1. Beams--Theory 2. Impact shock--Analysis

Card 1/1

Maryamova, F. A.

11-11-13108

Translation from: Referats Zhurnal Mekhanika No. 10, 1948, USSR,

AUTHOR: Maryamova, F. A.

TITLE: A New Method for the Investigation of the Appearance of Transverse Vibrations in a Bar (Novyye sposoby issledovaniya poперечnykh kolebaniy stержnya)

PERIODICAL: Sb. tr. Mosk. zashch. prikl. inzh. in-ta, 1948, No. 10, p. 108.

ABSTRACT: An evaluation is made of the error contained in Timoshenko's well-known differential equation for the bending vibrations of a bar, which includes the bending inertia and the influence of the shear upon the deflection.

Following the method of N. A. Katchen (Izv. Vuzov, Inzh. Matem. A. N. UkrSSR, 1949, No. 4) utilized by K. for the establishment of the equation of the equilibrium of shells, the Author expands the deflections of the points of a bar in a series according to powers of the coordinate (y) in the direction of which the transverse vibrations occur, and retains the terms up to and including the third power.

Establishing the corresponding expansion for the stresses and considering that for $y = 1/2$ (i.e., the height of the section of the bar) the

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14-11-13108

A New Method for the Integration of the Approximate Equations of the Vibrations in a Bar (continued)

normal stresses are given, while the tangential stresses are non-existent, it is possible to obtain a number of relationships between the displacements in the first and the second approximations. Different variants of the ultimate differential equations of the transverse vibrations, one of which yields the time-dependent equations, are obtained by way of an evaluation of these relationships and the establishment of the equations of the plane-parallel motion of an element of the bar.

According to the Author's preference, listed by way of the equation that yields the velocities of movement of the wave front which coincide with those of propagation of elastic disturbances in an elastic stratum, which can be found by means of the exact solution of the equations of elasticity theory.

(Ya. S. Ul'vand)

Card 2 2

SOV 124 58 2 2108

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 86 (USSR)

AUTHOR: Mari'yamova, F. A

TITLE: Investigation of the Wave Character of the Differential Equations of Transverse Vibrations of Beams (Issledovaniye volnovogo kharaktera differentsial'nogo uravneniya poperechnykh kolebaniy balok)

PERIODICAL: Sb. tr. Mosk. zaachn. poligr. in-t, 1957, Nr 5, pp 169-175

ABSTRACT: It is established that the Timoshenko equation, in which account is taken of the shear and the rotary inertia of the sections, leads to two values of the propagation speed of disturbances, namely

$$c_1 = \sqrt{E/\rho} \quad \text{and} \quad c_2 = \sqrt{kG/\rho}$$

Meanwhile, from the simplified equation of transverse vibrations it follows that a disturbance may propagate at an infinite velocity. These results are not new; in fact, they were obtained in particular by Ya. S. Uflyand (Prikl. matem. i mekhanika, 1948, Vol. 12, Nr 3).

V. L. Biderman

Card 1/1

CLASS: E WFL(0)/WFL(L)/T FZ-6/RUB TYP(G) AT/OS
AUSTRIAN III AT500862 UR/0000/64/000/000/0009/00,SL

AUTHOR: Glazerman, A. Ye. (Glazerman, A. Ye.); Malyanov, I. I. (Malyanov, I. I.)

3.2.2. Spectrum of oscillations with complex classical limit

1-6754-65
ACCESSION NO. AT-00564

2

...the same result only by considering the asymmetry of the electron cloud in the valent bonds. It is stated in conclusion that the calculation scheme can be greatly improved by using the more rigorous method developed by the authors (Ushakov, 1964), but the method presented here is similar to apply to calculations of various realistic models. "We are sincerely grateful to I. V. Stasyuk and O. A. Malyuk (Malyuk) for a discussion of several questions and to K. D. Kovalev for a preprint of his papers." Orig. art. has 9 formulas.

ASSOCIATION: None

SUBMITTER: 22nm64

ENCL: 00

SUB CODE: 98

IN REPLY: 009

OTHER: 002

L 00463-66 EFF(c)/EPA(s)-2/EPA(w)-2/EWP(j)/EAT(1)/EAT(m)/EWP(b)/EWA(c)/EWP(i)/
 ETC(m)/T/EWP(o)/EWP(v)/EWP(t) IJP(c) GG/EM/WM/WW/JD
 ACCSSION NR: AP9018386

UR/0181/65/007/005/1581/1582

AUTHOR: Sandalova, A. V.; Mar'yamova, I. I.; Zagonyaca, Yu. I.

TITLE: Tensometric effect in fiber single crystals of silicon grown from the gas phase

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1581-1582

TOPIC TAGS: fiber crystal, silicon, single crystal, mechanical stress, strain gauge

ABSTRACT: The authors investigated the tensometric properties of single-crystal silicon whiskers grown from the gas phase by a method described elsewhere (FIT v. 5, 2580, 1965). Crystals obtained by this method have high structural perfection and larger mechanical strength. Both p- and n-type crystals with surfaces having no essential defects were tested. The tests were made by gluing the whiskers to glass or metal bars, which were subjected to pure bending in a special installation. The tension or compression strain of the glued whisker corresponded to the flexural strain of the bar, the deflection of which was determined with a horizontal measuring microscope. The resistance was measured with a dc bridge. The resistance of p-type silicon increased in tension and decreased in compression, while the picture for the n-type silicon was reversed. In the investigated strain range

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L 00483-66

ACCESSION NR: AF3012589

(from 1×10^{-4} to 2×10^{-4}) the resistance was linear with the strain for both types of conductivity. The tensometric sensitivity coefficient of p-type crystals ranged from 100 to 140, which was approximately 50--70 times the corresponding value for wire strain gauges. This is in good agreement with both theoretical and experimental data by others. Orig. art. has: 2 figures and 2 formulas. 3

ASSOCIATION: L'vovskiy politekhnicheskii institut (L'vov Polytechnic Institute) 44.56

SUBMITTED: 28Dec64

ENCL: 00

SUB CODE: SS, IE

NR REF SOV: 002

OTHER: 004

Card 2/2

L 08430-67 EWT(m)/EWP(t)/ETI LJP(c) JD/WW/JG/GD
ACC NR: AT6034355 SOURCE CODE: UR/0000/66/000/000/0114/0121
AUTHOR: Sandulova, A. V.; Mar'yamova, I. I.; Zaganyach, Yu. I.
ORG: L'vov Polytechnical Institute (L'vovskiy politekhnicheskii institut)
TITLE: Piezoresistance properties of acicular and filamentary single crystals of silicon 21
SOURCE: AN UkrSSR. Poluprovodnikovaya tekhnika i mikroelektronika (Semiconductor engineering and microelectronics). Kiev, Naukova dumka, 1966, 114-121
TOPIC TAGS: strain gage, pressure transducer, piezoelectric crystal, piezoresistance effect
ABSTRACT: The piezoresistance properties of acicular and filamentary single crystals of silicon were investigated. The crystals were grown from gaseous silicon in the presence of Br₂ solvent; p-type crystals were obtained by Br and Al doping and n-type, by As doping. The contacts were made by welding gold, silver, or platinum microwire (20 to 100 μ) to the end of the crystals. To produce tensile or compressive strain in the sample, it was glued to the upper or lower surface of a beam which was periodically bent (in the vertical plane) by
Card 1/2

ACC NR:

AT6034355

3
a special device. The precisely measured beam deflection was used for calculation of strain in the sample. The resistance variation of the samples was measured using an MOD-58 d-c bridge together with an EPP-09-M1 recording potentiometer. The strain-to-resistance relation is linear for both types of crystal and both types of strain in the 1.10^{-4} — 8.10^{-4} strain variation range. High-output signals (40—80 mv) from this crystal can be recorded without amplification. The sensitivity of the p-type crystal sensor is 50—70 times higher than that of metallic crystal sensors. The sensitivity of n-type crystals is low. Orig. art. has: 2 formulas and 8 figures.

SUB CODE: 09. 20
ATD PRESS: 5103

SUBM DATE: Dec64/ ORIG REF: 003/ OTH REF: 012/

Card 2/2 1s

MAR'YAN, M. (Stalingrad)

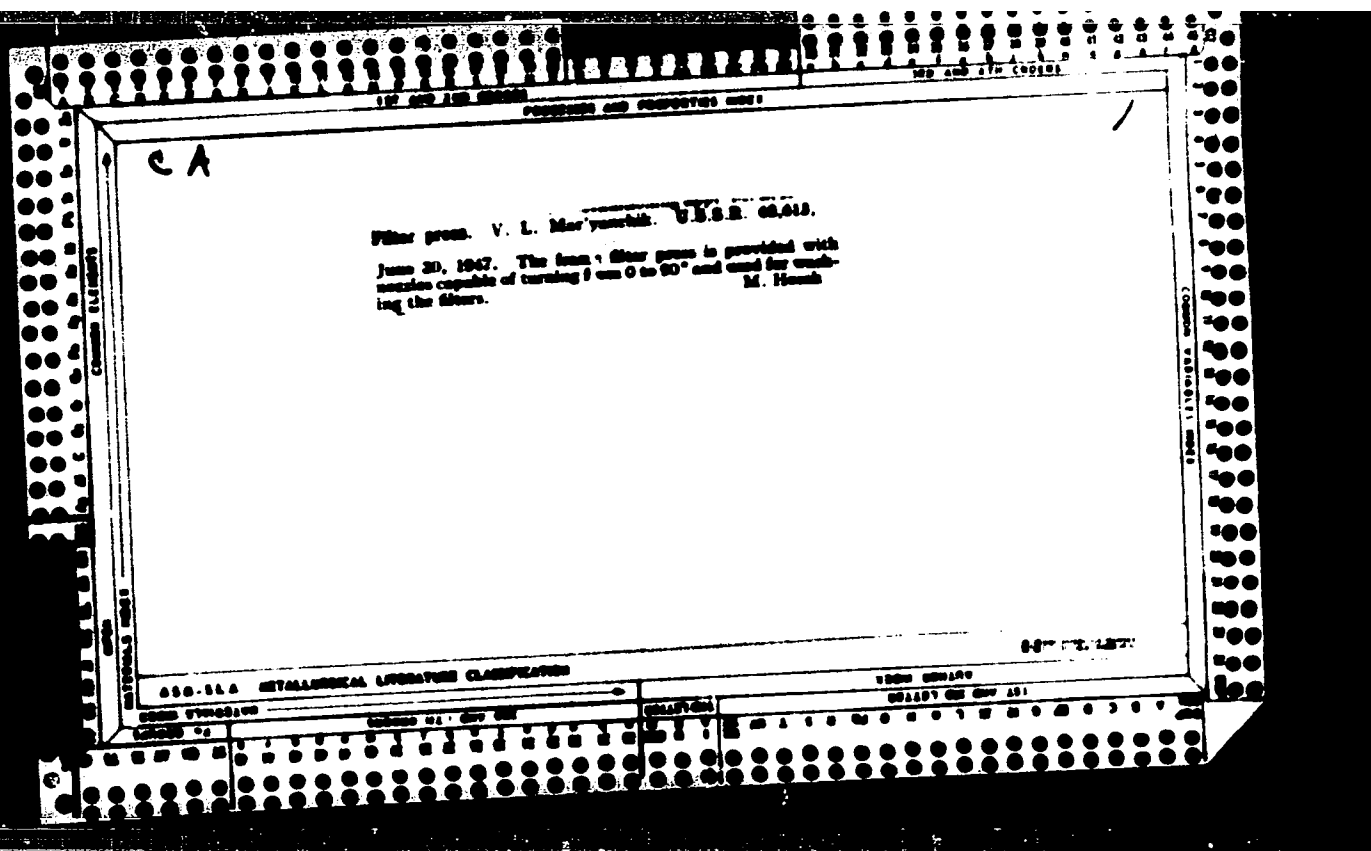
Such people do not grow old. Zdorov'e ; no.5:24 My '57. (MLRA 10:6)
(EGOROV, IVAN EGOROVICH, 1880-)

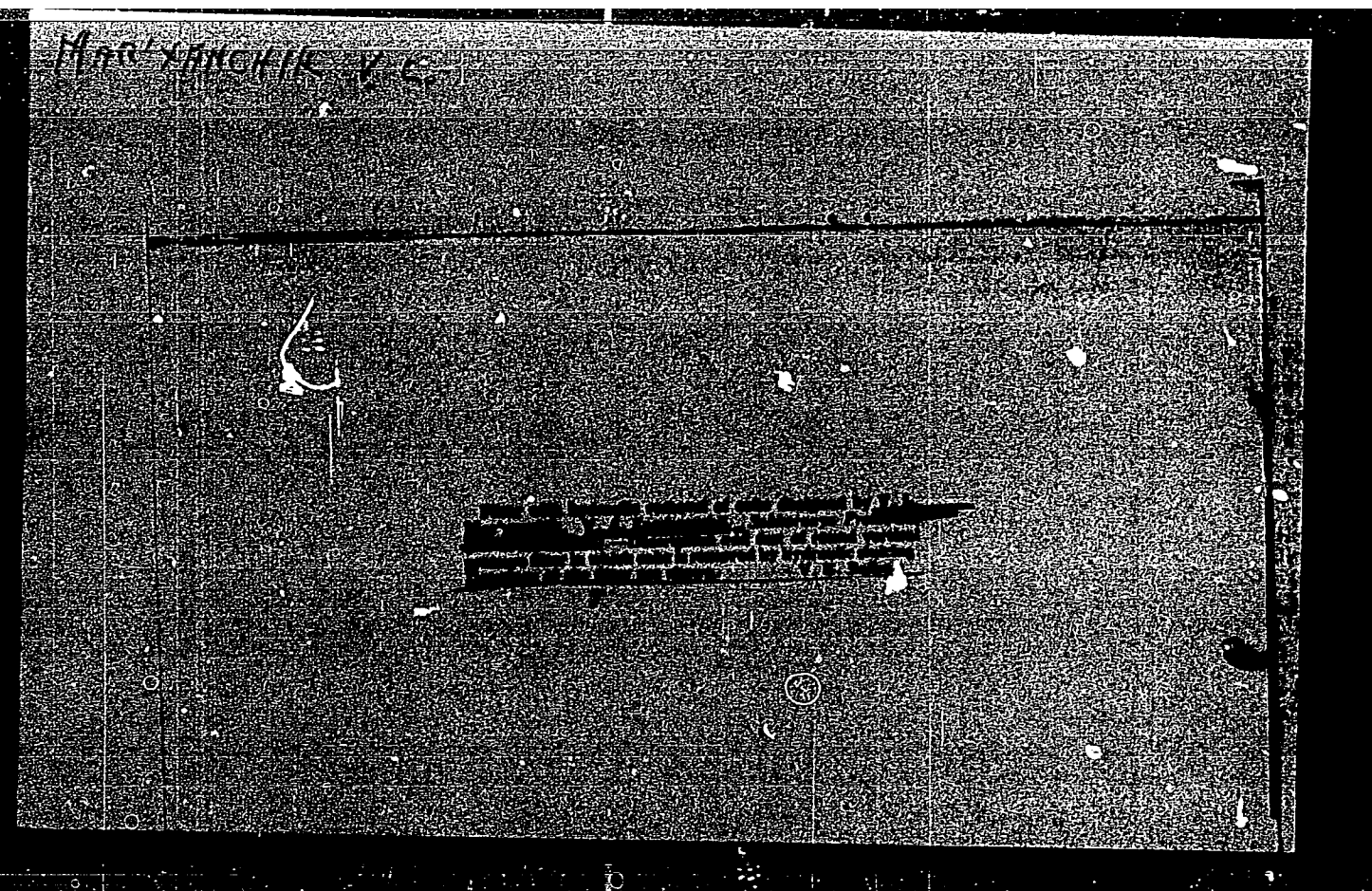
MARYANASHVILI, D. A.

"Illness of the Udder and its prophylaxis"

Tbilisi. Gosizdat, Georgian SSR, 1951. 40 pages with illustrations. Ministry of Agriculture, Georgian SSR.

SOURCE: Veterinariya, March 1952





MAR'YANCHIK, V.L.; KHEYSE, N.V.

Reorganisation of the sugar industry. Sakh.prom. 30 no.4:8-11
Ap '54. (MLRA 9:8)

1. Ministerstvo promyshlennosti proizvel'stvennykh tovarov (for
Mar'yanchik); 2. Ukrglavsakhar (for Kheyse).
(Sugar industry)

ROZKHIN, M.I.; MAR'YANCHIK, V.L.; PODGAYETS, S.I.

Mechanised conveying of sugar beets from storage piles to receiving bins instead of fluming. Sakh.prom. 29 no.6:39-41 '55. (MLRA 9:1)

1.Ukrgiprosakhar.
(Sugar industry)

MAR'YANCHIK, V.L.; KHEYZE, N.V.

~~SECRET~~
Sugar industry of Ukraine in the sixth five-year plan. Sakh. prom.
31 no.1:7-12 Ja '57. (MIRA 10:4)

1. Ministerstvo promyshlennosti prodevol'stvennykh tovarov USSR
(for Mar'yanchik). 2. Ukrglavsakhar (for Khayze).
(Ukraine--Sugar industry)

MAR'YANCHIK, V.L.; LITVINOV, Ye.V.

Efficient beet-ensiling machine. Sakh. prom. 31 no.5:41-45 My '57.

1. Ministerstvo promyshlennosti prodovol'stvennykh tovarov JSR
(for Mar'yanchik). 2. Ukrglavsakhar (for Litvinov).
(Sugar industry--Equipment and supplies)
(Loading and unloading)

MAR'YANCHIK, V.L.; KHEYZE, N.V.

Sugar industry of the Ukrainian S.S.R. on the threshold of 1962.
Sakh.prom. 35[1.e. 36] no. 2:6-9 F '62. (MIRA 15:4)

1. Gosplan USSR (for Mar'yanchik).
2. Ukrainskiy Sovet narodnogo khozyaystva (for Kheyze).
(Ukraine.. Sugar industry)

BORKOVSKIY, M.A.; VOSTOKOV, A.I.; ZHVIRKO, I.S.; LEFESHKIN, I.P.;
MEL'NIK, M.K.; MITROFANOV, V.P.; RODKEVICH, A.V.; SILIN,
P.I. [deceased]; YAKUBOVSKIY, V.V.; YEREMENKO, B.A.,
retsenzent; MAR'YANCHIK, V.L., retsenzent; MAKSIMOV, A.I.,
retsenzent; PRITYKINA, L.A., red.

[Handbook for the sugar manufacturer] Spravochnik sakhar-
nika. Moskva, Pishchevaia promyshlennost'. Pt.2. 1965.
778 p. (MIRA 18:9)

MAR'YANENKO , M.

Workshop in a school. Znan. ta pratsia no.3:17 Mr '59.

(Chernovtsy--Manual training) (MIRA 12:10)

MAR'YANENKO, M.

"Atlant" sails to give help. Znan. ta pratsia no.8:18-21
Ag '61. (MIRA 14:8)

(Marine service)

MAR'YANENKO, M. [Mar'ianenko, M.]

The Atlantic again. Znan. ta pratsia no.3:24-25 Mr '62.

(Atlantic Ocean—Fisheries—Research)

(MIRA 16:7)

MAR'YANENKO, M.

Treasure peninsula. Znan. ta pratsia no.7:2-4 JI '62. (MIRA 15:7)
(Kerch Peninsula—Iron mines and mining)

MAR'YANENKO, M. [Mar'ianenko, M.]

Legend was born in the quarries. Znan. ta pratsia no.12:3-11

D '62.

(MIRA 16:1)

(Kerch Peninsula--World War, 1939-1945--Underground movements)

OSTAPENKO, V.N.; MAR'YANENKO, M.A.

Operation of the KM-87 missile. Page 1 of 1. 1964. (Mikhael)

1. Glavnyy inzh. goskhozravleniya M.A. "Snyaya komunisticheskaya Krasnodarskaya kombinatsiya konbassantstva" (for Ostapenko).
2. Gosudarstvennyy projektirovatskiy i konstruktorskiy institut ugol'nogo razvedaniya (for Mar'yanko).

MAR'YANIN, S.

Machine tools start a second life. Izobr. i rats. no. 8:14

Ag '58.

(MIRA 11:9)

(Machine tools)

MAR'YANIN, Ya.

Apparatus used in X ray laboratories. IUn.tekh. 2 no.6:22-23
Je '58.

(MIRA 11:6)

(X rays--Industrial applications)

MAR'YANINOV, D.V.; DYADYUSHKIN, Ye.S.; ROGOV, B.M.

Equipment for the heating, filtration, and dewatering of haz. m.
TSvet.met. 38 no.10:86-87 0 '65.

(MIRA 1844)

MAR'YANKO G.S.
RYABININ, B.Ya., inshener; MAR'YANKO, G.S., inshener.

Mechanisation of ring bending from bulb-bar shapes. Sudostroenie
23 no.1:58-59 Ja '57. (MIRA 10:10)
(Metalworking machinery)

MAR'YANKOV, N. ^Tinshener

Manual for electricians on duty in mine substations ("Electrician
on duty in a mine substation" A. Koroblev. Reviewed by N. Mar'yankov).
Mast. ugl. 4 no.3:31 Mr '55. (MLRA 8:6)
(Electricity in mining) (Koroblev, A.)

~~MAR'YANKOV~~, ~~Master~~ Timofeyevich; SUMIN, I.F., otvetstvennyy redaktor;
KADYSINSKAYA, A.A., tekhnicheskiy redaktor

[Manual for section electricians in mines] Pamiatka uchastkovogo
elektroslusaria shakhty. Moskva, Ugletekhizdat, 1956. 85 p.
(Electricity in mining) (MLRA 9:7)

MAR'YANKOV, N. ^T gornyy inzh.-elektromekhanik

Book about loading machines ("GML-30 and GML-30 m. coal loading machines" by A.N.Deviatov and others. Reviewed by N.Mar'iankov). Mast.ugl. 8 no.2:24 F '59.

(MIRA 13:4)

(Coal mining machinery)

(Deviatov, A.N.)

MAR'YANOV, ~~Konstantin~~ Timofeyevich; MIRSKIY, V.V., otvetstvennyy red.;
LOMILINA, L.N., tekhn. red.; SABITOV, A., tekhn. red.

[Automatic drainage of coal mines] Avtomatizatsiya vodootliva na
ugol'nykh shakhtakh. Moskva, Ugletekhnizdat, 1958. 75 p.
(Mine drainage) (MIRA 11:10)

AGENTS OF THE EVANGELIST

0/0140/04/000/000/0100/0170

The image is a large, dark, grainy scan of a document or photograph. It features a dense, textured surface with vertical lines and horizontal streaks, suggesting a high-contrast, low-quality reproduction. The overall appearance is that of a heavily degraded or noisy image, possibly from a microfilm or a very old, poorly preserved document. There are no discernible figures, text, or specific objects visible within the frame.

ANNOUNCEMENT. On Feb. 27 and Feb. 28, 1964 an international symposium on blasting together with the Soviet-Chinese geometallogenicity meeting (North Caucasian Mining and Metallurgical Institute) (NGMMI) organized a scientific coordinating meeting on methods and types of mechanization of blasting for open-pit and underground mining. There were 70 representatives present from 40 different organizations, scientific-research and design institutes, as well as representatives from the Komitet po izobreteniyam (Commission on Inventions) and the Gornotekhnicheskaya inspektziya (Mine Inspection Bureau). The main paper was read by Prof. I. A. Ostroshko (NGMMI). He noted the need for using simple types of explosives, ensuring safety and low cost. New machinery for placing explosives is needed, as well as the use of friable explosives. Candidate of

Technical Sciences V. P. Moshchakov informed the meeting about the determination of static electricity from particles of explosive air suspended in compressed air. The electrical potential of a rubber hose under these conditions did not exceed 200-300 volts. Candidate of Technical Sciences V. I. Yemel'nikov read a paper on the successful use of pneumatic charging columns in mines, employing packaged explosives. This increased productivity 2-3 fold. Eng. A. G. Pecherkin noted that the problem of mechanization should be solved as a unified complex entity, with consideration of handling operations at explosive storage centers. Eng. A. G. Klyuyev informed the meeting that the use of new systems of mining with massive explosions leads to an increase in oversize ore lumps. This problem may be solved by the proper placing of the explosives. Eng. V. V. Mar'yankov reported on investigations on the resistance coefficient of polyethylene tubes for pneumatic transportation of granulated explosives. Eng. A. S. Danil'chuk noted that explosives have opened possibilities for new mining methods. It was found that highly explosive materials should be used with hydraulic driving when the length of the initial charge equals 7-8 times the diameter, while the weight of each successive charge should be 1/10-1/5 times greater. Eng. P. I. Balashov checked whether gases remain in micro-voids of explosives. It was noted that gases remain in voids of from 10 to 200 microns in diameter. The use of explosives should avoid paper packages and the

Page 2/3

ACCESSION NR: AP4047407

increase in the density of the placed explosives are suggested. Eng. A. F. Bogachev informed the meeting that handling of explosives is a very important factor in blasting work. New type MK-3-1-5 containers have been designed by the "Giproruda" institute for transportation of granulated explosives. Eng. A. P. Tikhomirov noted that new kinds of explosives and charging machines should be designed. Many new types of granulated explosives were introduced in 1963, but no new kinds of charging machines have yet been designed. In conclusion, he recommended testing and appraisal of these machines, using special stands. The meeting noted the importance of explosives and the successful work of the NOMMI, NIPIgormash, IGD and others in this field. A coordinated plan of research has been worked out and approved for mechanization of blasting work for 1964.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: WA, GO

NO REF NOY: 000

OTHER: 000

MARYANOV, B.M. [Mar"ianov, B.M.]

Under the sky of Italy. Nauka i zhyttia 10 no. 12:54-57 D '60.
(MIRA 14:4)
(Italy--Description and travel)

MAR'YANOV, B.M. [Mar'ianov, B.M.]

Creator of the electromagnetic telegraph. Nauka i zhyttia 11
no. 4:42-43 Ap '61. (MIRA 14:5)
(Shilling, Pavel L'vovich, 1786-1837) (Telegraph)

MAR'YANOV, B.M.; SICH, A.S.[Sych, A.S.]; YAMPOL'SKIY, B.B.[Iampol's'kyi, B.B.]; VELICHKA, I.O.[Valychka, I.O.], red.; POVOLOTSKIY, A.I. [Povolots'kyi, A.I.], red.; GAVRILETS', D.V.[Havrylets', D.V.], tekhn. red.

[Great 20 years; visual aid]Pro velyke dva~~ts~~tsiatyrichchia; na-
ochnyi posibnyk. Kyiv, Derzhpolitvydav URSR, 1962. 62 p.
(MIRA 16:2)

(Russia—Economic policy)

1347-55 INT(W)/INT(C)/INT(U) LIP(C) JB/JP

ACCESSION NO: AR5003682

S/0081/64/000/018/0007/0007

SOURCE: Ref. M. Khaliya, Abs. 18065

AUTHOR: Karyanov, B. N.; Serebrennikov, V. V.

TITLE: Determination of the cerium group rare earth elements by radiometric titration with 8-hydroxyquinoline

CITED SOURCE: Tr. Tomskogo un-ta, v. 157, 1968, 6-11

ABSTRACT: This article describes a method for the determination of cerium group rare earth elements by radiometric titration with 8-hydroxyquinoline. It is possible to carry out radiometric titration of Ce(III), La(III), Pr(III), and Sm(III) with 8-hydroxyquinoline in pure acid solutions in the presence of Pu^{239} isotope as the radioactive indicator. The titration is carried out in an ammonium buffer solution at pH 9 in the presence of tartrate ions which prevent precipitation of hydroxides. During the titration of Ce, $\text{NH}_4\text{OH}\cdot\text{HCl}$ is added to the solution to prevent the oxidation of Ce(III) to Ce(IV). The titration with 8-hydroxyquinoline permits determination of significantly smaller amounts of rare earth elements than radiometric titration with oxalic acid and it does not require extended waiting periods for complete precipitation. The error in determination is

Cont. 1/2

1.13.146

ACQUISITION NO: A0000000

116. Satisfactory results were not obtained in titration of elements of the Y group apparently due to the formation of binary vanadates. Substitution of citric acid for tartaric acid did not produce favorable effects. S. Bironikov.

SUB CODE: IC, GC

ENCLOSURE: 00

Card 2/2

1 10730-63

ACQUISITION NO: AP309200

NaCl, 1 to 1.5 ml of the buffer solution, and the Eu^{147} or La^{177} tracer. The solutions were titrated with cupferron solution, diluted to 3 ml with distilled water, and centrifuged. Samples of 0.05 to 0.10 ml of the supernatant liquid were taken, and their activity was measured. The initial activity for Nd was 1500 to 2500 cpm. Titration curves for Nd with 90 γ /ml or less are shown in Fig. 1 of Enclosure. The titration error for an Nd content of 0.016 to 0.35 $\mu\text{g}/\text{ml}$ was 0.5 to 7%. For an La content of 0.02 to 0.35 $\mu\text{g}/\text{ml}$ the error was no more than 7%. Cerium was determined by cupferron titration of 10 ml of nitrate solution containing 1.9 to 0.11 μg Ce, 1.2 to 1.5 g NaCl, 1.0 to 0.07 ml of 7% hydroxylamine hydrochloride solution, which prevents the oxidation of Ce(III) to Ce(IV), 1.5 to 2 ml of the buffer solution, and the Ce^{144} tracer. Owing to the nature of the precipitate, vacuum filtration was used instead of centrifugation. The titration curve is shown in Fig. 2 of Enclosure. The initial activity was approximately 2500 cpm. The maximum error was 4% or less for a concentration of 0.045 to 0.25 μg Ce/ml. Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: none

SUBJECTS: 277062

DATE ACQ: 07Aug63

ENCLOS: 01

SUB CODE: 00

NO REF SCV: 007

OTHER: 002

Card 2/3

- 3 (2/63) -

S/075/63/018/001/005/010
E071/E452

AUTHORS: Mar'yanov, B.M., Serebrennikov, V.V.

TITLE: The determination of neodymium by the method of
radiometric titration with halogen derivatives of
8-hydroxyquinoline

PERIODICAL: Zhurnal analiticheskoy khimii, v.18, no.1, 1963, 58-60

TEXT: A new method of determining gamma quantities of neodymium by the radiometric titration of its solutions with alkaline solutions of 5,7-dichloro- and 5,7-dibromo-8-hydroxyquinoline using Pm147 as an indicator was developed. The maximum error when using 5,7-dichloro-8-hydroxyquinoline (at a neodymium content in the solution of 2 to 60 $\mu\text{g/ml}$) amounts to 3% and when using 5,7-dibromo-8-hydroxyquinoline (at a neodymium content in the solution of 5 to 30 $\mu\text{g/ml}$) does not exceed 7.5%. A comparison of the data on the radiometric titrations of some rare earth elements with various organic substances indicated that according to the sensitivity the reagents can be placed in the following series: dihalogen-8-dihydroxyquinoline > 8-hydroxyquinoline > cupferron > oxalic acid. There are 1 figure and 2 tables.

Card 1/2

The determination of neodymium ...

S/075/63/018/001/005/010
E071/E4j2

ASSOCIATION: Tomskiy universitet im. V.V.Kuybysheva
(Tomsk University imeni V.V.Kuybyshev)

SUBMITTED: March 28, 1962

Card 2/2

MAR'YANOVICH, T.P., student II kursa.

Description of Cartesian ovals. Stud.nauk.pratsi no.16:21-32 '55.
(Geometry, Analytic) (MLRA 10:2)

8711

3/041/60/012/103/03/011
0111/C222

16 5110

AUTHOR: Mar'yanovich, T.P.

TITLE: Generalization of Erlang's Formulas in the Case When the Lines
May be Broken and Renewed

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1960 Vol. 12 No. 3,
pp 279 - 286

TEXT: The author considers a system of n lines. Every line can be broken independent of the others at random times so that the duration ξ_i of the un-interrupted work of a line is a random term with the distribution function $H(x)$. The lines may be renewed during random intervals τ_i of time; let the distribution function of τ_i be $G(x)$. Let the service time ζ_i be a random term with the distribution $F(x)$. Let $G(x)$ and at least one of the functions $F(x)$ or $H(x)$ have a finite mathematical expectation. The problem consists in the determination of the probabilities p_{ij} that at a given time there

exist i lines which work, and j lines which are renewed. The considered system is investigated with the aid of a homogeneous Markov process which is considered in the phase space consisting of the following elements:

ω^0 is an isolated point,

Card 1/4

87139

S/041/60/012/003/003/1
C111/C222

Generalization of Erlang's Formulas in the Case When the Lines May be Broken and Renewed

$\omega_1^j \{ 0 \leq x_1, x_2, \dots, x_i, y_1, y_2, \dots, y_j \}$ is a part of the $(1+j)$ -dimensional space. $0 \leq i, j \leq n; 1 + j \leq n$

The point ω_0^0 corresponds to the state where in the system there are i claims the service of which at the time t has lasted already the times $x_1, x_2, \dots, x_i$ and where j lines are existing which at the time t are in repair already the times $y_1, y_2, \dots, y_j$. Let P_t be the distribution of probabilities in the phase space, P_0 be the initial distribution and P be the stationary distribution.

Theorem 1: For an arbitrary initial distribution P_0 , P_t has the $(1+j)$ -dimensional density $p_{1j}(x_1, x_2, \dots, x_i, y_1, y_2, \dots, y_j; t)$ for $t > \max \{ x_1, \dots, x_i, y_1, \dots, y_j \}$ in the point $(x_1, x_2, \dots, x_i, y_1, y_2, \dots, y_j) \in \omega_1^j$.

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87116

5/041/60/012/013/003/011
0111/0122

Generalization of Erlang's Formulas in the Case When the Lines May be Broken and Renewed

Theorem 2: If $G(x)$ has a finite mathematical expectation $\int_0^{\infty} (1-G(x))dx$

and if $M\theta$, where $\theta = \min_{x \geq 0} G(x)$ is finite then the Markov process defined above has the following stationary probability distribution

$$p_{ij}(x_1, \dots, x_i, y_1, \dots, y_j) = \frac{\lambda^{i+j} \alpha}{i! j!} p_{00} \prod_{s=1}^i (1 - F(x_s)) \prod_{r=1}^j (1 - G(y_r))$$

where

$$\alpha = \int_0^{\infty} (1 - F(x)) dH(x), \quad \beta = \int_0^{\infty} (1 - F(x))(1 - H(x)) dx.$$

$$p_{00} = \frac{1}{\sum_{i,j=0}^{\infty} \frac{\lambda^{i+j} \alpha^i \beta^j}{i! j!}}$$

$0 \leq i+j \leq n$

Card 3/4

87139

5/041/60/012/03/003/011
C111/C222

Generalization of Erlang's Formulas in the Case When the Lines May be
Broken and Renewed

and λ is the parameter of the occurring claims.

The author mentions B.A. Sevast'yanov. He thanks B.V. Gnedenko for the
theme.

There are 3 Soviet references.

SUBMITTED: February 29, 1960

Card 4/4

13.2900

29344
S/021/61/000/007/001/011
D203/D306

AUTHOR: Mar"yanovych, T.P.

TITLE: Reliability of a system possessing reserves

PERIODICAL: Akademiya nauk Ukrayins koya RSR, Dopovidy, no. 7,
1961, 850 - 853

TEXT: The results expounded in this paper can have applications in the theory of reliability. A system is considered which consists of a finite number n of devices all of the same type. The probability of getting out of order during an interval $(t, t + \Delta t)$ is the same for each device; it is equal to $\lambda \Delta t + o(\Delta t)$ and is independent of the instant t . The device which is out of order begins immediately to be repaired, and one of the n reserve devices is switched into the system instead of it. The time of restoration of a device ξ is a chance value, equal for each device, with mathematical expectation $\mu < \infty$ and distribution function $F(x)$. It is supposed that the system is out of order if the number of working

Card 1/3

Reliability of a system ...

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S:011-61/007/007/011/011
D:011-2406

devices is smaller than n , i.e. the whole reserve is exhausted and the number of devices which are being repaired becomes larger than m . p_k denotes the probability of the number of devices undergoing repair being equal to k , on condition that the working regime of the system is stationary. The reliability of the system is then

$\sum_{k=1}^m p_k$. Now, with the aid of the theory of mass servicing formulae for the probabilities p_k are deduced. In the basic system of equations $p_k(x_1, \dots, x_k, t)$ denotes the probability of the number of devices undergoing repair at the instant t being equal to k , and these devices were already being repaired prior to t during respective intervals $x_1, \dots, x_k$. The probability is next determined that at the instant $t + \Delta t$ there will be k devices undergoing repair, which were being repaired already during intervals $x_1, \dots$

Card 2/3

25344

S/C21/61/000/007/001/011
D205/D306

Reliability of a system ...

x_k . This event can take place in two ways which exclude one another. (1) At the instant t there were k devices undergoing repair during intervals $x_1 - \Delta t, \dots, x_k - \Delta t$, and during the interval Δt none of them has been restored and none of the working devices has gone out of order; (2) At the instant t there were $k + 1$ devices which were being repaired during intervals $x_1 - \Delta t, \dots,$

$x_{k+1} - \Delta t$, during Δt none of the working devices have gone out of order and the device which was being repaired during the interval $x_{k+1} - \Delta t$ has been restored. All other possibilities possess the probability of the order $o(\Delta t)$. Thanks are expressed to B.V. Hnedenko, Member of the Academy, for valuable advice. There are 2 Soviet-bloc references.

ASSOCIATION: Instytut matematyki AN URSR (Institute of Mathematics AS UkrSSR)

SUBMITTED: November 19, 1980
Card 3/3

43392

S/041/62/014/004/005/007
B172/B112

h. 100
AUTHOR: Mar'yanovich, T. P. (Kiyev)

TITLE: A unlinear system of mass service containing an unreliable instrument

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 4, 1962, 417 - 422

TEXT: The classical queueing problem is considered for the more general case where the system contains an unreliable instrument. The services have Poisson distribution. The service time as well as the time required for repairing the instrument are considered to be random quantities. The instrument is assumed to fail only when no service has to be done. It is shown that the general case can be reduced to this special case. Formulas are derived for the distributions of the waiting time and the length of the queue. ✓

SUBMITTED: August 30, 1962

Card 1/1

Transactions of the Sixth Conference (Cont.)

SOV/6374

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| 63. | Shchegolev, T. I. Groups with Consideration of Failure of Loops | 363 |
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MATHEMATICAL STATISTICS

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Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus MGSP-izdat Lit SSR, 1962. 493 p. 2500 copies printed

MAR'YANOVSKAYA, K. Yu.

Subject : USSR/Chemistry AID P - 3746

Card 1/1 Pub. 151 - 10/22

Authors : Poray-Koshits, A. Ye., B. A. Poray-Koshits, L. S. Efros,
M. I. Krylova, D. A. Luvshits, K. Yu. Mar'yanovskaya
I. P. Aleksandrova, and K. E. ~~Orman~~

Title : Synthesis of some aromatic amines with trifluoromethyl
groups and study of them as products for ice dyeing

Periodical : Zhur. prikl. khim. 28, 9, 969-975, 1955

Abstract : The preparation of benzotrichloride and benzotrifluoride
and the nitration of benzotridluorides are described in
detail. 16 references, 6 Russian (1863-1950).

Institution : None

Submitted : D 25, 1953

